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AMENDMENTS TO THE SPECIFICATION

Insert Table A, found below, after line 23 on page 16.

Table A

| Public Name of Marker | bin # | PH6WG base pairs |
|--------------------------|-------|------------------------|
| phi427913 | 1.01 | 129.38 |
| bnlg1014 | 1.01 | 124.16 |
| phi056 | 1.01 | 255.30 |
| bnlg1007 | 1.02 | 134.45 |
| bnlg1083 | 1.02 | 221.86 |
| bnlg1127 | 1.02 | 112.28 |
| bnlg1953 | 1.02 | 247.56 |
| bnlg1429 | 1.02 | 204.64 |
| bnlg1627 | 1.02 | 202.70 |
| bnlg439 | 1.03 | 225.98 |
| phi109275 | 1.03 | 142.91 |
| phi339017 | 1.03 | 155.08 |
| bnlg1203 | 1.03 | 300.23 |
| bnlg1484 | 1.03 | 157.83 |
| dupssr26 | 1.04 | 124.50 |
| bnlg2086 | 1.04 | 217.79 |
| bnlg2238 | 1.04 | 222.47 |
| bnlg1832 | 1.05 | 215.70 |
| bnlg1886 | 1.05 | 141.48 |
| bnlg1057 | 1.06 | 247.00 |
| bnlg1041 | 1.06 | 194.58 |
| bnlg1615 | 1.06 | 211.96 |
| bnlg1556 | 1.07 | 201.94 |
| phi323065 | 1.08 | 329.53 |
| phi335539 | 1.08 | 88.58 |
| phi423298 | 1.08 | 133.68 |
| bnlg2228 | 1.08 | 246.31 |
| phi002 | 1.08 | 73.53 |
| bnlg1331 | 1.09 | 141.84 |
| phi011 | 1.09 | 226.98 |
| phi308707 | 1.10 | 131.11 |
| phi227562 | 1.11 | 322.45 |
| phi265454 | 1.11 | 234.33 |
| phi064 | 1.11 | 94.65 |

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| Public Name of Marker | bin # | PH6WG base pairs |
|--------------------------|-------|------------------------|
| phi402893 | 2.00 | 218.34 |
| phi96100 | 2.01 | 284.43 |
| bnlg1017 | 2.02 | 195.57 |
| bnlg2277 | 2.02 | 308.44 |
| bnlg1327 | 2.02 | 300.60 |
| bnlg1064 | 2.03 | 188.18 |
| bnlg1537 | 2.03 | 121.81 |
| bnlg1018 | 2.04 | 126.05 |
| bnlg1036 | 2.06 | 182.95 |
| phi328189 | 2.08 | 115.47 |
| phi427434 | 2.08 | 121.46 |
| phi435417 | 2.08 | 217.99 |
| bnlg1141 | 2.08 | 152.92 |
| bnlg1258 | 2.08 | 245.05 |
| phi127 | 2.08 | 123.97 |
| bnlg1520 | 2.09 | 285.85 |
| phi101049 | 2.10 | 234.30 |
| phi453121 | 3.00 | 223.43 |
| phi104127 | 3.01 | 162.19 |
| phi404206 | 3.01 | 303.14 |
| phi193225 | 3.02 | 136.71 |
| phi374118 | 3.02 | 225.95 |
| bnlg1144 | 3.02 | 134.68 |
| bnlg1523 | 3.03 | 264.89 |
| bnlg1035 | 3.05 | 101.06 |
| phi053 | 3.05 | 166.74 |
| bnlg1160 | 3.06 | 220.49 |
| bnlg1951 | 3.06 | 121.12 |
| bnlg2241 | 3.06 | 142.63 |
| bnlg1496 | 3.09 | 186.02 |
| phi072 | 4.00 | 141.56 |
| phi213984 | 4.01 | 284.60 |
| phi295450 | 4.01 | 184.83 |
| bnlg1162 | 4.03 | 92.86 |
| phi021 | 4.03 | 92.44 |
| phi308090 | 4.04 | 218.64 |
| phi096 | 4.04 | 234.58 |
| phi438301 | 4.05 | 211.81 |
| bnlg1159 | 4.05 | 147.81 |
| bnlg1755 | 4.05 | 214.54 |
| bnlg1937 | 4.05 | 227.36 |

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| Public Name of Marker | bin # | PH6WG base pairs |
|--------------------------|-------|------------------------|
| bnlg1265 | 4.05 | 194.44 |
| phi079 | 4.05 | 187.36 |
| bnlg1137 | 4.06 | 134.13 |
| umc2038 | 4.07 | 135.37 |
| bnlg1189 | 4.07 | 140.17 |
| bnlg1784 | 4.07 | 233.02 |
| bnlg2244 | 4.08 | 199.58 |
| bnlg1565 | 4.09 | 204.19 |
| bnlg1890 | 4.11 | 200.63 |
| bnlg1006 | 5.00 | 229.38 |
| phi396160 | 5.02 | 301.03 |
| phi109188 | 5.03 | 161.52 |
| bnlg653 | 5.04 | 156.23 |
| phi330507 | 5.04 | 131.59 |
| phi331888 | 5.04 | 130.72 |
| bnlg1208 | 5.04 | 118.88 |
| bnlg1892 | 5.04 | 147.78 |
| bnlg2323 | 5.04 | 198.10 |
| phi333597 | 5.05 | 213.82 |
| phi085 | 5.06 | 250.16 |
| bnlg1118 | 5.07 | 82.56 |
| bnlg1346 | 5.07 | 189.21 |
| bnlg1711 | 5.07 | 176.65 |
| phi423796 | 6.01 | 135.33 |
| bnlg1422 | 6.01 | 215.79 |
| phi389203 | 6.03 | 306.15 |
| phi452693 | 6.04 | 123.30 |
| phi445613 | 6.05 | 96.95 |
| umc1413 | 6.05 | 302.96 |
| bnlg1174 | 6.05 | 218.72 |
| umc1463 | 6.06 | 298.29 |
| phi299852 | 6.07 | 117.30 |
| phi364545 | 6.07 | 131.46 |
| bnlg1740 | 6.07 | 230.27 |
| bnlg1759 | 6.07 | 125.81 |
| phi070; umc1063 | 6.07 | 83.47 |
| bnlg2132 | 7.00 | 200.40 |
| umc1159 | 7.01 | 227.99 |
| bnlg1292 | 7.01 | 138.74 |
| bnlg1094 | 7.02 | 157.39 |

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| Public Name of Marker | bin # | PH6WG base pairs |
|--------------------------|-------|------------------------|
| phi034 | 7.02 | 119.55 |
| bnlg1070 | 7.03 | 145.56 |
| bnlg2271 | 7.03 | 233.69 |
| phi328175 | 7.04 | 98.87 |
| phi260485 | 7.05 | 318.75 |
| phi051 | 7.05 | 138.57 |
| phi069 | 7.05 | 195.31 |
| phi116 | 7.06 | 164.92 |
| bnlg1194 | 8.02 | 174.99 |
| phi100175 | 8.03 | 144.28 |
| bnlg1863 | 8.03 | 212.97 |
| bnlg2082 | 8.03 | 172.52 |
| phi115 | 8.03 | 290.66 |
| phi121 | 8.03 | 93.90 |
| bnlg2046 | 8.04 | 326.12 |
| bnlg1176 | 8.05 | 217.94 |
| bnlg1152 | 8.06 | 148.42 |
| bnlg1031 | 8.06 | 288.71 |
| bnlg1065 | 8.07 | 239.09 |
| bnlg1828 | 8.07 | 185.65 |
| bnlg1056 | 8.08 | 110.49 |
| bnlg1940 | 8.08 | 214.68 |
| phi015 | 8.08 | 79.78 |
| phi233376 | 8.09 | 152.17 |
| bnlg1810 | 9.01 | 197.34 |
| bnlg2122 | 9.01 | 237.09 |
| umc1037 | 9.02 | 195.04 |
| bnlg1012 | 9.04 | 157.54 |
| phi032 | 9.04 | 236.63 |
| phi108411 | 9.05 | 122.38 |
| phi236654 | 9.05 | 117.08 |
| bnlg619 | 9.07 | 272.68 |
| phi041 | 10.00 | 202.94 |
| phi96342 | 10.02 | 249.64 |
| phi059 | 10.02 | 143.60 |
| bnlg1037 | 10.03 | 117.77 |
| bnlg1079 | 10.03 | 170.34 |
| bnlg1655 | 10.03 | 126.51 |
| phi050 | 10.03 | 83.27 |
| phi301654 | 10.04 | 128.33 |
| phi062 | 10.04 | 157.81 |

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| Public Name of Marker | bin # | PH6WG base pairs |
|--------------------------|-----------|------------------------|
| phi323152 | 10.05 | 141.15 |
| bnlg1074 | 10.05 | 183.85 |
| bnlg1028 | 10.06 | 127.73 |
| bnlg1185 | 10.07 | 151.61 |
| bnlg1450 | 10.07 | 177.71 |
| bnlg1839 | 10.07 | 195.90 |
| phi109642 | 2.03/2.04 | 137.61 |
| bnlg1720 | 1.09/1.10 | 236.44 |
| phi448880 | 9.06/9.07 | 176.99 |
